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(21) International Application Number: PCT/US99/27190 (22) International Filing Date: 16 November 1999 (16.11.99) (30) Priority Data: 09/197,809 23 November 1998 (23.11.98) US (71) Applicant: HEALTHSHIELD TECHNOLOGIES LLC [US/US]; Suite 201, 67 Prospect Avenue, West Hartford, CT 06106 (US). (72) Inventors: TROGOLO, Jeffrey, A.; 228 Commonwealth Av- enue, Boston, MA 02116 (US). BARRY, John, E.; 18 Drake Lane, Derry, NH 03038 (US). HOLLEY, Steven; 24 Bigelow Street, Brighton, MA 02135 (US). (74) Agents: GOGORIS, Adda, C. et al.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022-7513 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. (88) Date of publication of the international search report: 5 October 2000 (05.10.00)
(54) Title: ANTIMICROBIAL FABRIC AND MEDICAL GRAFT OF THE FABRIC (57) Abstract A medical graft, such as a vascular graft, made of a fabric containing an inorganic antimicrobial agent. The fabric has a coating material with the inorganic antimicrobial agent bonded to it, the agent preferably being a zeolite. The fabric can be porous so as to permit tissue to grow on it with the fabric pores providing attachment sites for the tissue. Alternatively, the fabric can be coated with a tissue biocompatible material, such as collagen. A porous fabric applicable for the graft, and for other medical uses, and a method of manufacturing the porous fabric having a coating thereon to which is bonded an antimicrobial agent, such as a zeolite, also is provided. The fabric is antimicrobial, remains pliable, and is also porous.		

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/27190

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61L27/54 A61L31/16 D06M16/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 A61L D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 4 525 410 A (HAGIWARA ZENJI ET AL) 25 June 1985 (1985-06-25) column 1, line 56 -column 2, line 5 column 3, line 33 - line 40 column 5, line 38 - line 66 examples	23-32
A	US 5 003 638 A (MIYAKE TERUYOSHI ET AL) 2 April 1991 (1991-04-02) column 1, line 24 - line 25 column 5, line 44 -column 6, line 8	1-32
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